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| APPLICATION NO.      | FILING DATE                    | FIRST NAMED INVENTOR         | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------------------|--------------------------------|------------------------------|---------------------|------------------|
| 10/751,441           | 01/06/2004                     | Bret K. Street               | M4065.1005/P1005    | 2570             |
| 45374<br>DICKSTEIN S | 7590 03/17/200<br>HAPIRO L.L.P | EXAMINER                     |                     |                  |
| 1825 EYE STE         |                                | WOJCIECHOWICZ, EDWARD JOSEPH |                     |                  |
| WASHINGTO            | N, DC 20006                    |                              | ART UNIT            | PAPER NUMBER     |
|                      |                                |                              | 2815                |                  |
|                      |                                |                              |                     |                  |
|                      |                                |                              | MAIL DATE           | DELIVERY MODE    |
|                      |                                |                              | 03/17/2008          | PAPER            |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

| Application No.      | Applicant(s)  |  |
|----------------------|---------------|--|
| 10/751,441           | STREET ET AL. |  |
| Examiner             | Art Unit      |  |
| Edward Wojciechowicz | 2815          |  |

|  | Edward Wojciechowicz  | 2815                                     |             |  |  |  |  |
|--|---|--|-------------|--|--|--|--|
| The MAILING DATE of this communication appears on the cover sheet with the correspondence address  |   |  |             |  |  |  |  |
| Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Exercision of time, may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed what Sty, (i) MONTH's from the mailing date of the communication.  - If NO period for reply with the set or extended period for reply with by states, cause the application to become ARMONED (38 U.S.C, § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any seared patent term adjustment. See 37 CFR 1.704(b). |   |  |             |  |  |  |  |
| Status   |   |  |             |  |  |  |  |
| 3) Since this application is in condition for allowar  | action is non-final.  |  | e merits is |  |  |  |  |
| closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  |   |  |             |  |  |  |  |
| Disposition of Claims  |   |  |             |  |  |  |  |
| 4)⊠ Claim(s) 18-22 and 63-70 is/are pending in the     4a) Of the above claim(s) is/are withdrav     5)□ Claim(s) is/are allowed.     6)⊠ Claim(s) 18-22 and 63-70 is/are rejected.     7)□ Claim(s) is/are objected to.     8)□ Claim(s) are subject to restriction and/or  | wn from consideration.  |  |             |  |  |  |  |
| Application Papers   |   |  |             |  |  |  |  |
| 9) The specification is objected to by the Examine  10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct  11) The oath or declaration is objected to by the Ex  | epted or b)  objected to by the l<br>drawing(s) be held in abeyance. See<br>ion is required if the drawing(s) is ob | e 37 CFR 1.85(a).<br>jected to. See 37 C |             |  |  |  |  |
| Priority under 35 U.S.C. § 119   |   |  |             |  |  |  |  |
| 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.   |   |  |             |  |  |  |  |
|  |   |  |             |  |  |  |  |
|  |   |  |             |  |  |  |  |
| Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 4) Interview Summary<br>Paper No(s)/Mail Da   |  |             |  |  |  |  |

| Attachment(s)  |  |  |
|--|--|--|
| Notice of References Cited (PTO-892)                     | 4) Interview Summary (PTO-413)           |  |
| Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date                    |  |
| 3) Information Disclosure Statement(s) (PTO/S5/08)       | 5) Notice of Informal Patent Application |  |
| Paper No(s)/Mail Date                                    | 6) Other: .                              |  |

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## DETAILED ACTION

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 18-22 and 63-70 are rejected under 35 U.S.C. 103(a) as being unpatentable over Glenn in view of Chia et al and Barton et al (6,744,109). The description of the Glenn and Chia references is hereby incorporated by reference from the previous rejection. The Barton reference, which was cited earlier in the prosecution, is being applied again to this rejection, in view of applicants' amendments to the claims

Applicants' have amended the claims to essentially require that the adhesive flow restriction area, which comprises at least one trench, is on the same surface of the die as the imaging elements. While the Chia reference does show trenches formed in the inactive side of the device that would serve to impede the adhesive flow, the reference to Barton is cited to provide an explicit showing of adhesive flow impeding "trenches" which may be formed on the active surface of the die, as well.

Specifically, as shown in FIG. 3A of Barton, adhesive flow barrier regions (330) are formed around the perimeter of the device. The proximity of these barrier regions to elements (320) serve to form a "trench" that would also serve to impede the flow of adhesive.

It is noted that the actual claim language requires only that the flow restriction area is formed on the surface of the die, and the claims do not define any specific structure for the trenches, nor do they require that the trench extend below the surface of the die.

In addition, as seen in FIG. 3B and FIG. 5 or Barton, plural trenches may be used to create a perimeter around the imaging elements, and extend from edge to edge on the die, as claimed. Art Unit: 2815

Taken together, the cited references teach all of the claimed features of the invention. One skilled in the art would be motivated to combine these references in order to achieve superior adhesive flow restriction, as taught by the references.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ken Parker can be reached on (571) 272-2298. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Application/Control Number: 10/751,441 Page 4

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Edward Wojciechowicz/ Primary Examiner, Art Unit 2815

Edward Wojciechowicz Primary Examiner Art Unit 2815

EW: ew